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DERMATOLOGICAL AND/OR COSMETIC COMPOUNDS THAT INCLUDE GUM AMMONIAC AND
AN EXTRACT OF PEGANUM HARMALIS SEEDS
[COMPOSITIONS DERMATOLOGIQUES ET/OU COSMETIQUES COMPRENANT DE LA GOMME
AMMONIAQUEE ET UN EXTRAIT DE GRAINES DE PEGANUM HARMALIS]

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| TITLE | (54): | DERMATOLOGICAL AND/OR COSMETIC COMPOUNDS THAT INCLUDE AMMONIAC GUM AND AN EXTRACT OF PEGANUM HARMALIS SEEDS |
| FOREIGN TITLE | (54A): | Compositions dermatologiques et/ou cosmetiques comprenant de la gomme ammoniaquee et un extrait de graines de Peganum harmalis |

Description

The present invention pertains to dermatological and/or cosmetic compounds.

Products that are intended to be used for the treatment and care of the skin are presently the subject of many studies: the goal of these preparations can be the care of different diseases of the skin, help in healing wounds or, more simply, protection of the skin, its embellishment, as well as prevention and attenuation of the effects of aging.

Therefore, it is always desirable to have many active ingredients available that could be incorporated in such products.

The inventor has already proposed the use, in the French patent application 81 05487, gum ammoniac (a gum resin secreted by Umbelliferae of the genus *Dorema ammoniacum* Don., and *Dorema aucheri* Boiss.) in order to obtain pharmaceutical compounds intended for the treatment of various tumor diseases.

The inventor has now discovered that ammoniac gum can be combined with an extract obtained from seeds of the plant *Peganum harmalis*, in the family of Rutaceae, in order to get cosmetic and/or dermatological compounds.

In the prior art, extracts of *Peganum harmalis* were used for a pharmaceutical purpose, for the treatment of skin diseases [L.V. Belova, Vestn. Dermatol. Venerol. 0(7), 56-58 (1984), and in particular for the treatment of certain inflammatory dermatoses [El

Rifaie, Int. J. Dermatol. 19(4), 221-222, (1980)].

Now the inventor has found that some compounds that result from the combination of gum ammoniac and the extract obtained from seed of the plant *Peganum harmalis* have some cosmetic and/or dermatological properties. In particular, these compounds, applied locally to the skin or to the scalp, have in an unexpected way the property of improving the condition and the appearance of the skin and the hair.

The seeds of *Peganum harmalis* are sold in spice and exotic product stores, under the name of "Harmel" or "mi seed."

The present invention has as a goal compounds for cosmetic and/or dermatological use, characterized in that they include, as the active ingredient, a suitable quantity of distillate, or alcoholic extract of seeds of *Peganum harmalis*.

According to a preferred arrangement of this mode of implementation, the compounds in conformity with the invention include between 2 and 6% by weight of distillate or alcoholic extract of gum ammoniac.

According to another preferred method of this mode of implementation, the compounds in conformity with the invention include between 2 and 6% by weight of distillate or of alcoholic extract of seeds of *Peganum harmalis*.

In conformity with the invention, the gum ammoniac can be used in a large number of formulations that are intended for cosmetic use, such as creams, ointments, make-up removal products, lotions, powders,

soaps, shampoos, make-up products that also have a therapeutic effect, toothpastes, and so forth.

In order to obtain compounds in conformity with the invention, gum ammoniac and the extract of seeds of *Peganum harmalis* can be combined with other active ingredients, as well as with excipients, preservatives, texturizing agents, and perfumes currently used in the formulation of cosmetic products.

According to a preferred mode of implementation of the compounds in conformity with the invention, they include in addition a fatty substance.

According to a preferred arrangement of this mode of implementation, the said fatty substance is an oil of plant origin, such as sesame oil, peanut oil, Catha oil, or sunflower oil.

According to a preferred mode of implementation of the compounds in conformity with the invention include between 2 and 10% by weight of sesame oil.

The present invention will be better understood by the help of the description addition that follows, which refers to examples of the preparation of cosmetic compounds in conformity with the invention.

However, it should of course be understood that these examples are given only by way of illustration of the purpose of the invention of which they do not in any manner comprise a limitation.

Example 1: Preparation of a dermal cream:

| | |
|---------------------------------|----|
| Ethanol extract of ammoniac gum | 3g |
| Harmel* (ethanol extract) | 2g |
| Sesame oil | 6g |
| Perfume | 1g |

Base for a cream comprised of:

| | | |
|--------------------------------------|------|---------|
| Cutina MD | 9g | |
| Eumulgade F | 3g | |
| Eutanol G | 8g | |
| Corn oil | 8g | |
| Vaseline oil | 6g | |
| Lanosoluble AS | 5g | |
| Phenonip | 0.2g | |
| Water | qsp | 100g |
| | | qsp100g |
| *(Ducros - 26170 Buis Les Baronnies) | | |

Example 2: Preparation of a shampoo:

| | |
|---------------------------------|----|
| Ethanol extract of gum ammoniac | 6g |
| Harmel (ethanol extract) | 6g |
| Sesame oil | 2g |
| Perfume | 1g |

Base for shampoo comprised of:

| | | |
|--------------------------|------|---------|
| Texapon 40 | 300g | |
| Comprlan KD | 40g | |
| Water soluble castor oil | 30g | |
| Sodium chloride | 15g | |
| Water | qsp | 1000g |
| | | qsp100g |

Example 3: Preparation of a tooth paste:

| | |
|---------------------------------|------|
| Ethanol extract of gum ammoniac | 6g |
| Harmel (ethanol extract) | 4g |
| Pink or white clay (Ghassoul) | 50g |
| Neutral tooth paste soap qsp | 100g |

Example 4: Preparation of a hair lotion:

| | |
|---------------------------------|----|
| Ethanol extract of gum ammoniac | 5g |
| Harmel (ethanol extract) | 2g |
| Sesame oil | 5g |

Perfume 1g

Base for hair lotion comprised of:

| | | |
|-----------------------|--------|---------|
| Panthenol | 0.125g | |
| Tween 80 | 0.250g | |
| Soluble vitamin F | 0.050g | |
| Soluble sulfur | 0.125g | |
| Alcohol at 90 degrees | 163ml | |
| Water qsp | 250ml | |
| | | qsp100g |

Example 5: Preparation of a lotion for the skin:

For one liter of lotion one should distill with water 60 grams of gum ammoniac, and one then adds to the distillate 6 grams of Harmel extract.

As one can see from the preceding discussion, the invention is not at all limited to those of its modes of operation, implementation, and application that have just been described in a more explicit manner: on the contrary, it includes all the variants of it that could be imagined by an expert in this field, without thereby departing from the scope and range of the present invention.

CLAIMS

1. Compounds for cosmetic and/or dermatological use, characterized in that they include as the active ingredient some distillate or alcoholic extract of gum ammoniac, combined with some distillate or alcoholic extract of seeds of *Peganum harmalis*.

2. Compounds according to Claim 1 characterized in that they include between 1 and 10% by weight of distillate or alcoholic extract

of gum ammoniac, and between 1 and 105 by weight of distillate or alcoholic extract of seeds of *Peganum harmalis*.

3. Compounds according to any of Claims 1 or 2 characterized in that they include between 2 and 6% by weight of distillate or alcoholic extract of gum ammoniac, and between 2 and 6% by weight of distillate or alcoholic extract of seeds of *Peganum harmalis*.

4. Compounds according to any of Claims 1 to 3 characterized in that they includes in addition at least one fatty substance.

5. Compounds according to Claim 4 characterized in that the said fatty substance is an oil of plant origin.

6. Compounds according to Claim 5 characterized in that they include between 2 and 10% by weight of sesame oil.